

SOFTWARE VERSION DESCRIPTION (SVD)

AIMSPC BASELINE

INTERIM CHANGE PACKAGE (ICP) X50-H80-1A-03



INSTALLATION SUPPORT MODULES
CLIENT SYSTEMS ENGINEERING DIVISION
FT. BELVOIR, VA 22060-5576

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1. SCOPE.

1.1 IDENTIFICATION. This Software Version Description (SVD) applies to the AIMSPC software running on the RS/6000 7026 H80 system with AIX4.3.3/Oracle 8.1.6 baseline.

1.2 SYSTEM OVERVIEW. The purpose of this Interim Change Package is to install patchset 8.1.6.3 for the Oracle baseline and to apply Oracle Listener security patches.

1.3 DOCUMENT OVERVIEW. This document provides the instructions necessary for the implementation of the formal release of the AIX AIMSPC Baseline Interim Change Package (ICP) X50-H80-1A-03. It informs the users of the changes made to the system and provides points of contact (POCs) to be contacted in case of problems.

2. REFERENCED DOCUMENTS. This paragraph has been tailored out.

3. VERSION DESCRIPTION.

3.1 INVENTORY OF MATERIALS RELEASED. This paragraph has been tailored out.

3.2 INVENTORY OF SOFTWARE CONTENTS. This change package contains the following program/module list.

PROGRAM/MODULE	VERSION NUMBER	BYTE COUNT	DATE
X50-H80-1A-03_oracle.tar	n/a	126,545,920	Jul 18, 2002
<i>The above tar file contains the following files which will be extracted into directory</i>			
<i>/Cots/oracle/product/8.1.6.3:</i>			
compiles.sql	n/a	7,454	Jul 18, 2002
extproc.tar	n/a	10,240	Apr 30, 2002
ora_icp_script1	n/a	4,067	Jun 19, 2002
ora_icp_script2	n/a	6,412	Jun 28, 2002
p1650087_8163_AIX.zip	8.1.6.3	126,434,589	Apr 05, 2002
p1859654_8163_AIX.zip	n/a	69,127	Apr 05, 2002
update_inittab	n/a	1,893	Jun 19, 2002

3.3 CHANGES INSTALLED.3.3.1 CORRECTOR DESCRIPTIONS - TECHNICAL.

a. ECP-S: X50-A15N-004

1. Cycles/Processes. None

2. Programs. None

3. Problems. There is a potential security vulnerability in Oracle8i database server listener, referenced in CA-2001-16. Another potential security vulnerability exists in the Oracle PL/SQL package for External Procedures (EXTPROC), referenced in CA-2002-08.

4. Resolution. Oracle Corporation has provided a patch, 1859654, for the listener vulnerability, referenced in CA-2001-16. However, this patch was created for the latest patchset release only, 8.1.6.3. Therefore, patchset 8.1.6.3 must be installed prior to applying patch 1859654. The EXTPROC functionality is installed by default. As this functionality is not needed, the EXTPROC entry will be removed from the listener.ora configuration file for the Oracle listener on the database server.

5. ICP. X50-H80-1A-03

3.3.2 CORRECTOR DESCRIPTIONS - FUNCTIONAL. This paragraph has been tailored out.

3.3.3 SUMMARY OF CHANGES. This paragraph has been tailored out.

3.4 ADAPTATION DATA. This paragraph has been tailored out.

3.5 RELATED DOCUMENTS.

3.5.1 TECHNICAL DOCUMENTATION CHANGES. There are no technical documentation changes for this change package.

3.5.2 FUNCTIONAL MANUAL CHANGES. There are no functional documentation changes for this change package.

3.6 INSTALLATION INSTRUCTIONS.

3.6.1 INSTALLATION EFFECTIVE DATE. This change package must be implemented within thirty days of release.

3.6.2 SECURITY IMPLICATIONS. This paragraph has been tailored out.

3.6.3 SPECIAL INSTALLATION INSTRUCTIONS. See ATTACHMENT A for Installation Instructions for ICP X50-H80-1A-03.

3.6.4 POINT OF CONTACT. If there are any problems or questions with the installation, or any shortage to the contents of this package, call CONUS-Theater Network Operations and Security Center (CONUS-TNOSC), Ft. Huachuca, AZ, DSN 879-6858 or 1-800-305-3036.

3.6.5 REPORT OF IMPLEMENTATION. Implementation of this change package must be reported by immediately calling the U.S. Army Software Engineering Center-Belvoir (USASEC-B), Client Systems Engineering Division (CSED). POC: (703) 806-3574 or DSN 656-3574.

3.7 POSSIBLE PROBLEMS AND KNOWN ERRORS. None.

4. NOTES.

4.1 LEAD SITE VERIFICATION TEST. ICP X50-H80-1A-03 LSVT will be conducted at Ft. Knox, KY, 24 - 26 July 2002.

Oracle Patchset 8.1.6.3 is installed using Oracle Universal Installer, so the telnet or ssh connection to the target server must be made from a graphics terminal.

The login account that is installing this ICP must have /usr/local/super privileges; i.e., the account must be listed in /usr/local/.as.lst.

1. Transfer the ICP tar file, in binary mode, to the **/Cots/oracle/installdb/AIMSPC** directory on the target server:

X50-H80-1A-03_oracle.tar 126,545,920 bytes

2. If you are using a Unix system to connect to the target server, issue the xhost + command on *your* Unix system to receive the target server's display:

\$ **xhost +**

3. Connect to the target server (ssh or telnet), become root, and untar the file:

\$ **/usr/local/super**
cd /Cots/oracle/installdb/AIMSPC
tar xvf X50-H80-1A-03_oracle.tar

These files will be extracted:

	bytes
/Cots/oracle/product/8.1.6.3/compiles.sql	7,454
/Cots/oracle/product/8.1.6.3/extproc.tar	10,240
/Cots/oracle/product/8.1.6.3/ora_icp_script1	4,067
/Cots/oracle/product/8.1.6.3/ora_icp_script2	6,412
/Cots/oracle/product/8.1.6.3/p1650087_8163_AIX.zip	126,434,589
/Cots/oracle/product/8.1.6.3/p1859654_8163_AIX.zip	69,127
/Cots/oracle/product/8.1.6.3/update_inittab	1,893

Verify that owner and group for the new subdirectory, 8.1.6.3, are oracle:dba.

ls -la /Cots/oracle/product/8.1.6.3

4. **UNIX user oracle** executes the two ICP scripts. The first script will make adjustments to several files to facilitate the installation of Oracle patchset 8.1.6.3. User oracle needs root privileges for part of this process.

cp -p /usr/local/.as.lst /usr/local/.as.lstsave
echo oracle >> /usr/local/.as.lst -gives oracle root privileges
su - oracle
\$ **cd /Cots/oracle/product/8.1.6.3**

Capture the process with "script" command for future reference.

\$ **script patch8163-1.txt**

Execute the first ICP script.

\$ **/ora_icp_script1**

Stop the scripting to patch8163-1.txt.

\$ **exit**

5. Change oracle's PATH to have /usr/ccs/bin precede /usr/bin and /usr/ucb.
\$ export PATH=/usr/ccs/bin:\$PATH
6. Export the target server's display back to the system you are currently using for the installation.
\$ export DISPLAY=<your IP address>:0.0 (example: 160.147.64.62:0.0)
7. Verify that ORACLE_HOME is /Cots/oracle/product/8.1.6:
\$ echo \$ORACLE_HOME
8. Start Oracle Universal Installer:
\$ /Cots/oracle/oui/install/runInstaller
Follow the next few steps within the Installer:
 - a. On the Welcome screen, click the Next button.
 - b. On the File Locations screen, click the Browse button and select as follows:
Source should be **/Cots/oracle/product/8.1.6.3/stage/products.jar**
Destination should be **/Cots/oracle/product/8.1.6**
Click Next.
 - c. Check the products listed and then click on the Install button.
 - d. Once the installation has completed successfully, End of Installation will be displayed. Click on Exit and confirm to exit the installer.
9. UNIX user oracle now executes the second ICP script. This script will complete the installation of patchset 8.1.6.3, will install listener patches, will add documentation to /etc/inittab and will restore the original /usr/local/.as.lst.
\$ cd /Cots/oracle/product/8.1.6.3
Capture the process with "script" command for future reference.
\$ script patch8163-2.txt
Execute the second ICP script.
\$./ora_icp_script2
Stop the scripting to patch8163-2.txt.
\$ exit

Installation is complete. Optional: Remove the X50-H80-1A-03_oracle.tar file.